Project Title	Funding	Institution
Investigation of cortical folding complexity in children with autism, their autism-discordant siblings, and controls	$0	Stanford University
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Research Foundation for Mental Hygiene, Inc.
Stereological analyses of neuron numbers in frontal cortex from age 3 years to adulthood in autism	$0	University of California, San Diego
Psychophysiological mechanisms of emotion expression	$0	Georgia State University
Are neuronal defects in the cerebral cortex linked to autism?	$0	Memorial Sloan-Kettering Cancer Center
Optical analysis of circuit-level sensory processing in the cerebellum	$0	Princeton University
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Research Foundation for Mental Hygiene, Inc.
Informational and neural bases of empathic accuracy in autism spectrum disorder	$0	Columbia University
BDNF secretion and neural precursor migration	$0	Dana-Farber Cancer Institute
ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways (supplement)	$2	University of Pittsburgh
ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways	$12	University of Pittsburgh
fMRI study of self-produced tactile stimulation in autistic adolescents	$244	Mount Sinai School of Medicine
Neural mechanisms of attentional networks in autism	$490	Mount Sinai School of Medicine
Greater New York Autism Center of Excellence - Clinical Core	$1,224	Mount Sinai School of Medicine
Characterization of the mirror neuron system in 3-9 month old infants using the BabySQUID imaging system	$4,748	University of New Mexico
Functional neuroanatomy of developmental changes in face processing (supplement)	$7,712	University of Kentucky
MRI studies of cognition and sensorimotor integration	$7,770	Georgetown University
Neurobiological correlates of language dysfunction in autism spectrum disorders (supplement)	$8,688	Alexian Brothers Medical Center
Structural brain differences between autistic and typically-developing siblings	$12,030	Stanford University
Presence of clostridia in children with and without ASD	$12,054	Center for Autism and Related Disorders (CARD)
A model-based investigation of face processing in autism	$12,950	Georgetown University
Wiring the brain: From genetic to neuronal networks	$13,000	University of North Carolina at Chapel Hill
Description and assessment of sensory abnormalities in ASD	$18,968	Center for Autism and Related Disorders (CARD)
A microdevice for immune profiling of children with autism	$19,000	University of California, Davis
Real time PCR for yeasts	$20,000	Brentwood Biomedical Research, Inc.
Restricted and repetitive behaviors in young children with autism (supplement)	$23,131	Duke University
Psychophysiological approaches to the study of autism	$26,000	University of Washington

Project Title	Funding	Institution
Longitudinal neurodevelopment of auditory and language cortex in autism	$27,318	University of Utah
Evaluation of sleep disturbance in children with ASD	$27,456	Center for Autism and Related Disorders (CARD)
Neurobiological mechanisms of insistence on sameness in autism	$28,000	University of Illinois at Chicago
Visual perspective-taking and the acquisition of American Sign Language by deaf children with autism	$28,000	University of Texas at Austin
MEG investigation of phonological processing in autism	$28,000	University of Colorado Denver
Neural mechanisms underlying an extended multisensory temporal binding window in ASD	$28,000	Vanderbilt University
Neural basis of socially driven attention in children with autism	$28,000	University of California, Los Angeles
Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system	$28,000	Carnegie Mellon University
Roles of Wnt signaling/scaffolding molecules in autism	$28,000	University of California, San Francisco
Neural basis of audiovisual integration during language comprehension in autism	$30,000	University of Rochester
Visuospatial processing in adults and children with autism	$30,000	Carnegie Mellon University
Neural mechanisms of social cognition and bonding	$31,387	Emory University
Mimicry and imitation in autism spectrum disorders	$31,685	University of Connecticut
Understanding perception and action in autism	$32,000	Kennedy Krieger Institute
Phonological processing in the autism spectrum	$32,000	Heriot-Watt University
Molecular mechanisms regulating synaptic strength (supplement)	$32,258	Washington University in St. Louis
ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion (supplement)	$32,703	University of Pittsburgh
Multisensory integration and temporal synchrony in autism	$34,176	University of Rochester
Distinct function of the neuroligin 3 postsynaptic adhesion complex	$37,784	Columbia University
Regulation of activity-dependent ProSAP2 synaptic dynamics	$41,176	Stanford University
fMRI studies of cerebellar functioning in autism	$46,000	University of Illinois at Chicago
Deriving neuroprogenitor cells from peripheral blood of individuals with autism	$46,597	University of Utah
Neural substrate of language and social cognition: Autism and typical development	$47,210	Massachusetts Institute of Technology
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	$49,000	Massachusetts Institute of Technology
ACE Center: Mirror neuron and reward circuitry in autism (supplement)	$51,364	University of California, Los Angeles
Slick and slack heteromers in neuronal excitability	$53,354	Yale University
Architecture of myelinated axons linking frontal cortical areas	$54,000	Boston University
The neural substrates of repetitive behaviors in autism	$54,436	Boston University Medical Campus

Project Title	Funding	Institution
ACE Center: The Imaging Core (supplement)	$54,458	University of California, Los Angeles
Analysis of brain microstructure in autism using novel diffusion MRI approaches	$59,992	Washington University School of Medicine
Cortical mechanisms underlying visual motion processing impairments in autism	$60,000	Harvard Medical School/McLean Hospital
Attentional abnormalities in autism: An electrophysiological study of the basal forebrain and central nucleus of the amygdala	$60,000	University of California, San Diego
The neural correlates of transient and sustained executive control in children with autism spectrum disorder	$60,000	University of Missouri
Neuroligins and neurexins as autism candidate genes: Study of their association in synaptic connectivity	$60,000	University of California, San Diego
Using genetically modified mice to explore the neuronal network involved in social recognition	$60,000	Haifa University
Electrical measures of functional cortical connectivity in autism	$60,000	University of Washington
Past, present, and future-oriented thinking about the self in children with autism spectrum disorder	$61,000	City University London
GABAergic dysfunction in autism (supplement)	$63,950	University of Minnesota
Neocortical regionalization: Analysis of genetic and epigenetic influences	$75,000	University of California, Riverside
Physiological and behavioral characterization of sensory dysfunction in autism	$77,250	Thomas Jefferson University
Gamma band dysfunction as a local neuronal connectivity endophenotype in autism	$78,797	University of Colorado Denver
Cortical complexity in children with autism, unaffected siblings, and controls	$79,000	Stanford University
Precursors of theory of mind in young children with autism	$79,227	Carnegie Mellon University
Neural basis for the production and perception of prosody	$81,500	University of Southern California
ACE Center: Development of categorization, facial knowledge in low & high functioning autism (supplement)	$81,816	University of Pittsburgh
Autistic endophenotypes and their associations to oxytocin and cholesterol	$84,055	Mount Sinai School of Medicine
Coherence and temporal dynamics in auditory cortex of children with autism	$88,292	Massachusetts General Hospital
Time perception and timed performance in autism	$89,871	Kennedy Krieger Institute
Social behavior deficits in autism: Role of amygdala	$93,500	State University of New York Upstate Medical Center
ACE Center: Systems connectivity + brain activation: Imaging studies of language + perception (supplement)	$94,022	University of Pittsburgh
Multisensory processing in autism	$104,607	University of North Carolina at Chapel Hill
Anatomy of primate amygdaloid complex	$106,669	University of California, Davis
Engrailed and the control of synaptic circuitry in Drosophila	$112,500	University of Puerto Rico Medical Sciences Campus
MEG investigation of the neural substrates underlying visual perception in autism	$127,081	Massachusetts General Hospital

Project Title	Funding	Institution
Behavioral and functional neuroimaging investigations of visual perception and cognition in autistics	$127,168	Université de Montréal
Role of Pam in synaptic morphology and function	$127,497	Massachusetts General Hospital
A combined fMRI-TMS study on the role of the mirror neuron system in social cognition: Moving beyond correlational evidence	$127,500	University of California, Los Angeles
The effects of Npas4 and Sema4D on inhibitory synapse formation	$127,500	Children's Hospital Boston
NrCAM, a candidate susceptibility gene for visual processing deficits in autism	$127,500	University of North Carolina at Chapel Hill
Novel approaches for investigating the neurology of autism: Detailed morphometric analysis and correlation with motor impairment	$127,500	Kennedy Krieger Institute
Role of neuroligin in synapse stability	$127,500	Oklahoma Medical Research Foundation
Analysis of the small intestinal microbiome of children with autism	$132,750	Massachusetts General Hospital
The role of Fox-1 in neurodevelopment and autistic spectrum disorder	$139,471	University of California, Los Angeles
Dendritic organization within the cerebral cortex in autism	$144,822	The Open University
Cognitive control in autism	$146,960	University of California, Davis
Neural correlates of social exchange and valuation in autism	$149,985	Baylor College of Medicine
Testing the effects of cortical disconnection in non-human primates	$150,000	The Salk Institute for Biological Studies
Behavioral and sensory evaluation of auditory discrimination in autism	$150,220	University of Massachusetts Medical School
Taste, smell, and feeding behavior in autism: A quantitative traits study (supplement)	$151,884	University of Rochester
The role of the amygdala in autism	$152,144	University of California, Davis
Social and affective components of communication	$152,186	The Salk Institute for Biological Studies
ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion	$154,445	University of Pittsburgh
Optogenetic analysis of circuits for vocal recognition	$156,000	Duke University
Multimodal brain imaging in autism spectrum disorders	$165,397	University of Washington
Murine genetic models of autism	$172,390	Vanderbilt University
Reward system in autism	$181,125	Kennedy Krieger Institute
The mirror neuron system in the monkey and its role in action understanding	$184,470	Massachusetts General Hospital
Brain circuitry in simplex autism	$187,500	Washington University in St. Louis
Neurobiology of affective prosody perception in autism	$190,000	Washington University in St. Louis
Anterior cingulate and fronto-insular related brain networks in autism	$194,745	Mount Sinai School of Medicine
Behavioral pilot for an imaging study of social attention deficits in autism	$205,200	Washington University in St. Louis
ACE Center: Imaging the autistic brain before it knows it has autism	$206,916	University of California, San Diego
MRI measures of neural connectivity in Asperger's disorder	$208,337	University of Michigan
Neural mechanisms for social cognition in autism spectrum disorders	$229,730	Massachusetts Institute of Technology

Project Title	Funding	Institution
The development of object representation in infancy	$248,095	Regents of University of California
Autism spectrum disorders and the visual analysis of human motion	$250,000	Rutgers, The State University of New Jersey
Cerebellar anatomic and functional connectivity in autism spectrum disorders	$251,419	University of Texas at Austin
High-resolution diffusion tensor imaging in mouse models relevant to autism	$253,735	University of Pennsylvania
Connectivity of anterior cingulate cortex networks in autism	$265,044	New York University School of Medicine
Imaging brain and movement in ASD	$270,296	University of California, San Diego
Gross morphological correlates to the minicolumnopathy of autism	$287,554	University of Louisville
Chemosensory processing in chemical communication	$287,963	Florida State University
GABAergic dysfunction in autism	$294,344	University of Minnesota
Molecular mechanisms regulating synaptic strength	$299,250	Washington University in St. Louis
Functional neuroanatomy of developmental changes in face processing	$302,360	University of Kentucky
Motivation, self-monitoring, and family process in autism	$304,247	University of Miami
ACE Center: Mirror neuron and reward circuitry in autism	$307,838	University of California, Los Angeles
The fusiform and amygdala in the pathobiology of autism	$311,951	Children's Hospital of Philadelphia
Development of brain connectivity in autism	$312,916	New York School of Medicine
Testing neurological models of autism	$315,526	California Institute of Technology
The neural basis of social cognition	$325,651	Indiana University
ACE Center: The Imaging Core	$326,381	University of California, Los Angeles
Motor skill learning in autism	$332,646	Kennedy Krieger Institute
Multisensory integration of faces and voices in the primate temporal lobe	$335,983	Princeton University
ACE Center: Neuroimaging studies of connectivity in ASD	$337,540	Yale University
Cerebellar modulation of frontal cortical function	$347,643	University of Memphis
The microstructural basis of abnormal connectivity in autism	$348,980	University of Utah
ACE Center: Cognitive affective and neurochemical processes underlying IS in autism	$377,577	University of Illinois at Chicago
The development and redevelopment of lexical and sublexical representations	$380,273	The Research Foundation of the State University of New York
Towards an endophenotype for amygdala dysfunction	$384,145	California Institute of Technology
ACE Center: Development of categorization, facial knowledge in low & high functioning autism	$386,379	University of Pittsburgh
Linking local activity and functional connectivity in autism	$388,825	San Diego State University
Imaging signal transduction in single dendritic spines	$390,000	Duke University
Morphogenesis and function of the cerebral cortex	$399,013	Yale University

Project Title	Funding	Institution
Neuroimaging of top-down control and bottom-up processes in childhood ASD	$403,739	Georgetown University
Neurobiological correlates of language dysfunction in autism spectrum disorders	$404,389	Alexian Brothers Medical Center
ACE Center: Systems connectivity + brain activation: Imaging studies of language + perception	$444,021	University of Pittsburgh
Integrative functions of the planum temporale	$452,524	University of California, Irvine
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	$474,750	Memorial Sloan-Kettering Cancer Center
Upgrade to multiuser 3T magnetic resonance imager	$500,000	University of Kentucky
Radiofrequency transmit and receive upgrade for 3T research scanner	$500,000	Kennedy Krieger Institute
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study	$503,378	University of Utah
Development of the functional neural systems for face expertise	$524,017	University of California, San Diego
RNA-Seq studies of gene expression in cells and networks in FI and ACC in autism	$564,301	California Institute of Technology
Function and structure adaptations in forebrain development	$568,834	University of Southern California
Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	$573,420	University of California, Los Angeles
Taste, smell, and feeding behavior in autism: A quantitative traits study	$592,498	University of Rochester
Sensory processing and integration in autism	$593,677	City College of New York
Neurodevelopmental mechanisms of social behavior	$607,379	University of Southern California
fMRI studies of neural dysfunction in autistic toddlers	$614,468	University of California, San Diego
Identifying brain-based biomarkers for ASD & their biological subtypes	$1,206,925	New York State Psychiatric Institute
The cognitive neuroscience of autism spectrum disorders	$1,335,493	National Institutes of Health (NIH)
Functional anatomy of face processing in the primate brain	$1,678,309	National Institutes of Health (NIH)
MRI system for neuroimaging typical and atypical cognitive and social development	$2,000,000	Carnegie Mellon University
Regulation of gene expression in the brain	$2,125,882	National Institutes of Health (NIH)